

ABSTRACT

[0054] A system for generating amplitude matched 45 degree phase separated signals is disclosed. Embodiments of the system for generating amplitude matched 45 degree phase separated signals include a filter arrangement including a plurality of nodes, an adjustable element associated with each node, the adjustable element configured to substantially equalize an amplitude of each vector associated with each node. The adjustable element may be an adjustable resistance or an adjustable capacitance associated with each node.